IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: \

YU et al.

Title:

TERMINALS HAVING SUB-BAND SUBSTITUTE SIGNAL CONTROL IN OPTICAL COMMUNICATION

SYSTEMS

Appl. No.:

Unassigned

Filing Date:

August 28, 2001

Examiner:

Unassigned

Art Unit:

Unassigned

TRANSMITTAL OF FORMAL DRAWINGS

Commissioner for Patents Washington, D.C. 20231

ATTENTION: DRAWING REVIEW BRANCH

Sir:

Transmitted herewith are the formal drawings (11 sheets, Figures 1-10(b)) for the above-identified application. The Official Draftsperson is respectfully requested to approve these drawings for entry into the application.

Respectfully submitted,

Date

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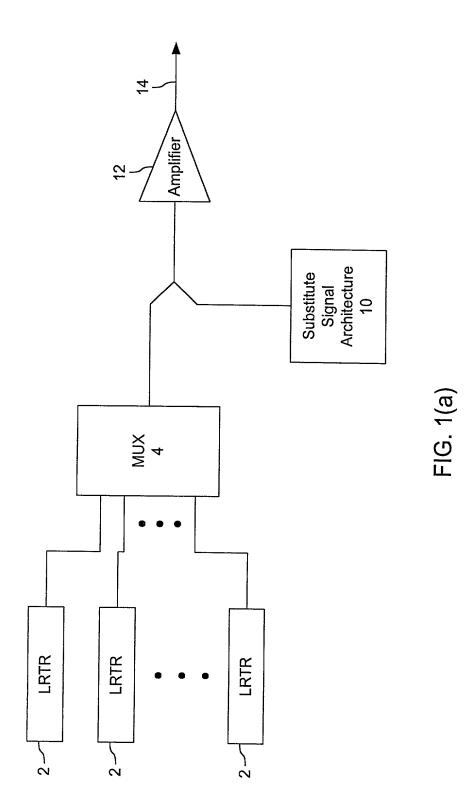
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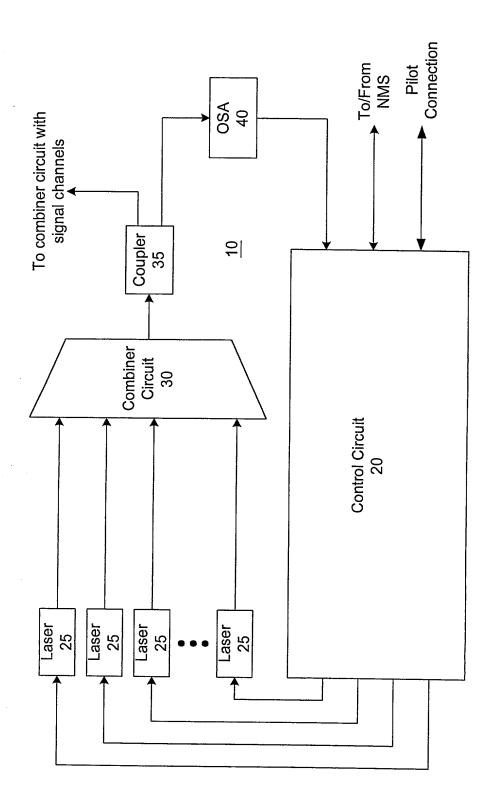
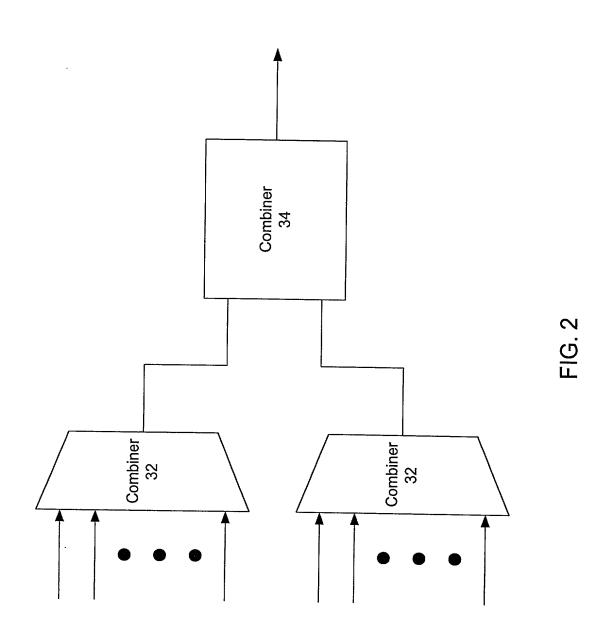


FIG. 1(b)



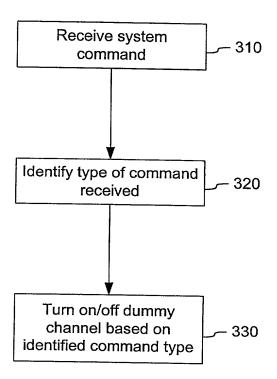


FIG. 3

Measure wavlengths and power levels of signal 410 channels Determine any channel failure based on 420 measured power and wavelengths Identify the number of failed/unused channels in - 430 the sub-band of the failed channel Turn on the dummy channel corresponding to the sub-band Adjust the power of the dummy channel based on the number of failed/ - 450 unused channels in the sub-band

FIG. 4

Title: TERMINALS HAVING SUB-BAND SUBSTITUTE SIGNAL CONTROL IN OPTICAL COMMUNICATION SYSTEMS

Inventor(s): YU et al. DOCKET NO.: 033337-0125

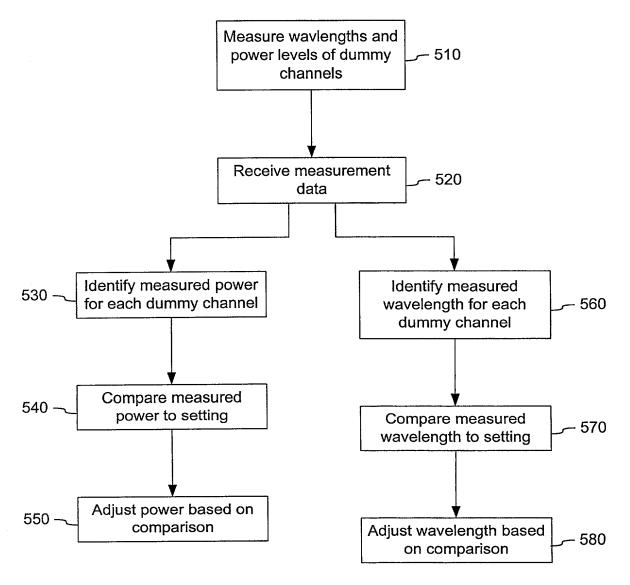
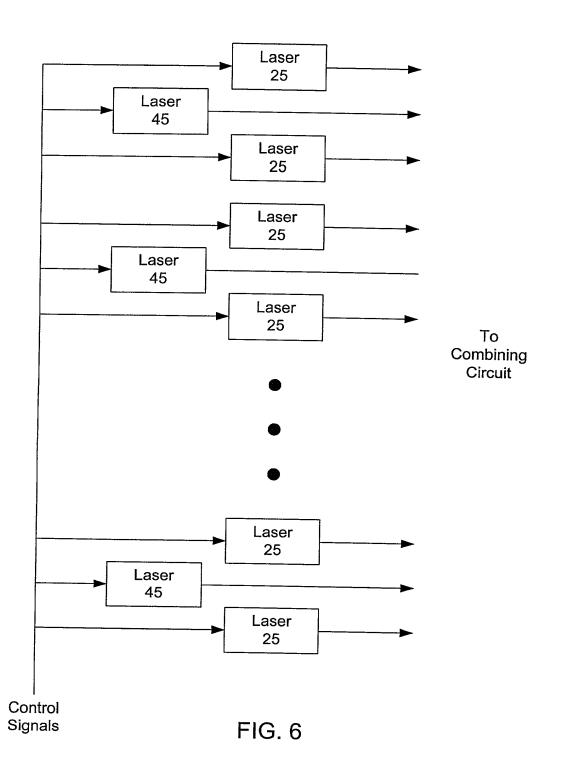


FIG. 5

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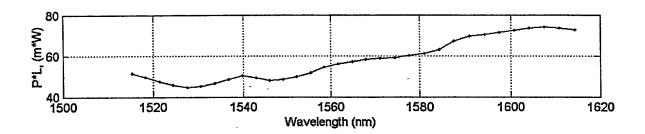


FIG. 7 (a)

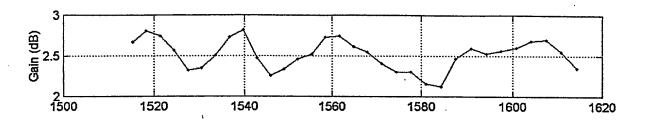


FIG. 7 (b)

Title: TERMINALS HAVING SUB-BAND SUBSTITUTE SIGNAL CONTROL IN

Inventor(s): YU et al. DOCKET NO.: 033337-0125

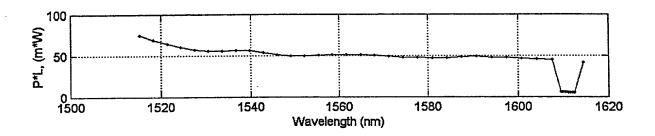


FIG. 8 (a)

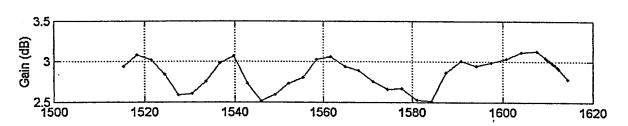


FIG. 8 (b)

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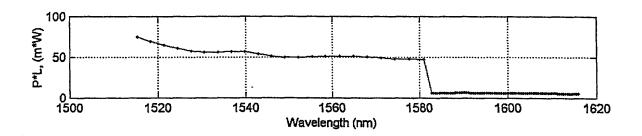


FIG. 9 (a)

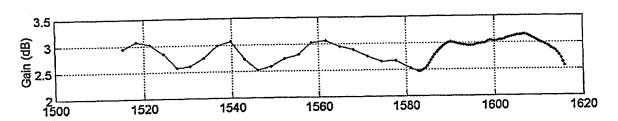


FIG. 9 (b)

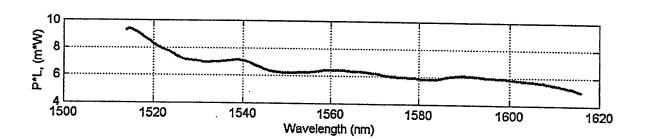


FIG. 10 (a)

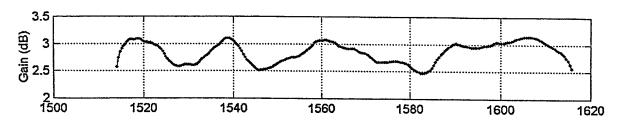


FIG. 10 (b)